Dev Niyogi

List of Publications by Year in descending order

250 papers	15,233 citations	18482 62 h-index	23533 111 g-index
257 all docs	257 docs citations	257 times ranked	12845 citing authors

#	Article	IF	Citations
1	Integrated Urban Environmental System of Systems for Weather Ready Cities in India. Bulletin of the American Meteorological Society, 2022, 103, E54-E76.	3.3	3
2	Modeling Largeâ€Scale Heatwave by Incorporating Enhanced Urban Representation. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	15
3	Evaluation of Bias Correction Methods for Regional Climate Models: Downscaled Rainfall Analysis Over Diverse Agroclimatic Zones of India. Earth and Space Science, 2022, 9, .	2.6	14
4	Resilience of human settlements to climate change needs the convergence of urban planning and urban climate science. Computational Urban Science, 2022, 2, 1.	3.2	10
5	Ecology and Climate of the Earthâ€”The Same Biogeophysical System. Climate, 2022, 10, 25.	2.8	1
6	Improving the Forecasting of Winter Wheat Yields in Northern China with Machine Learningâ€“Dynamical Hybrid Subseasonal-to-Seasonal Ensemble Prediction. Remote Sensing, 2022, 14, 1707.	4.0	15
7	Concentrations and isotopic analysis for the sources and transfer of lead in an urban atmosphere-plant-soil system. Journal of Environmental Management, 2022, 311, 114771.	7.8	9
8	An Overview of Flood Concepts, Challenges, and Future Directions. Journal of Hydrologic Engineering - ASCE, 2022, 27, .	1.9	36
9	A Novel Fusion Method for Generating Surface Soil Moisture Data With High Accuracy, High Spatial Resolution, and High Spatioâ€Temporal Continuity. Water Resources Research, 2022, 58, .	4.2	15
10	Increased Risk of Extreme Precipitation Over an Urban Agglomeration With Future Global Warming. Earth's Future, 2022, 10, .	6.3	9
11	Impacts of City Shape on Rainfall in Inland and Coastal Environments. Earth's Future, 2022, 10, .	6.3	10
12	Generating high-accuracy and cloud-free surface soil moisture at 1 km resolution by point-surface data fusion over the Southwestern U.S.. Agricultural and Forest Meteorology, 2022, 321, 108985.	4.8	11
13	The origins of modern urban climate science: reflections on â€˜A numerical model of the urban heat islandâ€™. Progress in Physical Geography, 2022, 46, 649-656.	3.2	6
14	Improving the local climate zone classification with building height, imperviousness, and machine learningÂfor urban models. Computational Urban Science, 2022, 2, .	3.2	7
15	Urbanization-induced drought modification: Example over the Yangtze River Basin, China. Urban Climate, 2022, 44, 101231.	5.7	13
16	Improving simulation of the fog life cycle with high-resolution land data assimilation: A case study from WiFEX. Atmospheric Research, 2022, 278, 106331.	4.1	5
17	Assessing Crop Water Stress Index of Citrus Using In-Situ Measurements, Landsat, and Sentinel-2 Data. International Journal of Remote Sensing, 2021, 42, 1893-1916.	2.9	36
18	Variable Impact of COVID-19 Lockdown on Air Quality across 91 Indian Cities. Earth Interactions, 2021, 25, 57-75.	1.5	11

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19	Impacts of land cover heterogeneity and land surface parameterizations on turbulent characteristics and mesoscale simulations. Meteorology and Atmospheric Physics, 2021, 133, 589-610.	2.0	4
20	Physiological responses of orange trees subject to regulated deficit irrigation and partial root drying. Irrigation Science, 2021, 39, 441-455.	2.8	10
21	First results from the Doppler Weather Radar observations over Mumbai urban region during the inter-seasonal phases of 2018 monsoon. Natural Hazards, 2021, 107, 1413-1426.	3.4	3
22	Effect of Vortex Initialization and Relocation Method in Anticipating Tropical Cyclone Track and Intensity over the Bay of Bengal. Pure and Applied Geophysics, 2021, 178, 4049-4071.	1.9	4
23	Environmental and Social Risks to Biodiversity and Ecosystem Healthâ€"A Bottom-Up, Resource-Focused Assessment Framework. Earth, 2021, 2, 440-456.	2.2	5
24	Impact of green roofs on heavy rainfall in tropical, coastal urban area. Environmental Research Letters, 2021, 16, 074051.	5.2	6
25	Urban climate and resiliency: A synthesis report of state of the art and future research directions. Urban Climate, 2021, 38, 100858.	5.7	29
26	Review of urban computing in air quality management as smart city service: An integrated IoT, AI, and cloud technology perspective. Urban Climate, 2021, 39, 100972.	5.7	70
27	Is satellite Sun-Induced Chlorophyll Fluorescence more indicative than vegetation indices under drought condition?. Science of the Total Environment, 2021, 792, 148396.	8.0	17
28	Identifying multivariate controls of soil moisture variations using multiple wavelet coherence in the U.S. Midwest. Journal of Hydrology, 2021, 602, 126755.	5.4	20
29	Counter-clockwise epochal shift of the Indian Monsoon Sparse Zone. Atmospheric Research, 2021, 263, 105806.	4.1	1
30	Evidence of asymmetric change in diurnal temperature range in recent decades over different agroâ€climatic zones of India. International Journal of Climatology, 2021, 41, 2597-2610.	3.5	29
31	Urbanization Exacerbated Rainfall Over European Suburbs Under a Warming Climate. Geophysical Research Letters, 2021, 48, e2021GL095987.	4.0	23
32	Drought propagation modification after the construction of the Three Gorges Dam in the Yangtze River Basin. Journal of Hydrology, 2021, 603, 127138.	5.4	39
33	Forecasting tropical cyclones in the Bay of Bengal using quasi-operational WRF and HWRF modeling systems: an assessment study. Meteorology and Atmospheric Physics, 2020, 132, 1-17.	2.0	21
34	Evapotranspiration, crop coefficients, and physiological responses of citrus trees in semi-arid climatic conditions. Agricultural Water Management, 2020, 227, 105838.	5.6	63
35	Quantitative analysis of agricultural drought propagation process in the Yangtze River Basin by using cross wavelet analysis and spatial autocorrelation. Agricultural and Forest Meteorology, 2020, 280, 107809.	4.8	98
36	On the relationship between intensity changes and rainfall distribution in tropical cyclones over the North Indian Ocean. International Journal of Climatology, 2020, 40, 2015-2025.	3.5	29

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37	Spatial Configuration and Extent Explains the Urban Heat Mitigation Potential due to Green Spaces: Analysis over Addis Ababa, Ethiopia. Remote Sensing, 2020, 12, 2876.	4.0	18
38	Mapping Paddy Rice Fields by Combining Multi-Temporal Vegetation Index and Synthetic Aperture Radar Remote Sensing Data Using Google Earth Engine Machine Learning Platform. Remote Sensing, 2020, 12, 2992.	4.0	20
39	Observed Evidence for Steep Rise in the Extreme Flow of Western Himalayan Rivers. Geophysical Research Letters, 2020, 47, e2020GL087815.	4.0	20
40	Sensitivity of Analytical Flux Footprint Models in Diverse Sourceâ€Receptor Configurations: A Field Experimental Study. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005694.	3.0	9
41	Global to USA County Scale Analysis of Weather, Urban Density, Mobility, Homestay, and Mask Use on COVID-19. International Journal of Environmental Research and Public Health, 2020, 17, 7847.	2.6	52
42	Drought propagation in Northern China Plain: A comparative analysis of GLDAS and MERRA-2 datasets. Journal of Hydrology, 2020, 588, 125026.	5.4	56
43	Urbanization alters rainfall extremes over the contiguous United States. Environmental Research Letters, 2020, 15, 074033.	5.2	42
44	Improved simulation of very heavy rainfall events by incorporating WUDAPT urban land use/land cover in WRF. Urban Climate, 2020, 32, 100616.	5.7	38
45	Impact of INSAT-3D/3DR Radiance Data Assimilation in Predicting Tropical Cyclone Titli Over the Bay of Bengal. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6945-6957.	6.3	18
46	Improved Simulation of Monsoon Depressions and Heavy Rains From Direct and Indirect Initialization of Soil Moisture Over India. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032400.	3.3	9
47	Identification of linkages between urban heat Island magnitude and urban rainfall modification by use of causal discovery algorithms. Urban Climate, 2020, 33, 100659.	5.7	15
48	Urbanization in Small Cities and Their Significant Implications on Landscape Structures: The Case in Ethiopia. Sustainability, 2020, 12, 1235.	3.2	24
49	Implementing Dynamic Rooting Depth for Improved Simulation of Soil Moisture and Land Surface Feedbacks in Noahâ€MPâ€Crop. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001786.	3.8	15
50	Survey of Water Managers for Twenty-First Century Challenges. , 2020, , 21-34.		1
51	Current Approaches for Resilience Assessment. , 2020, , 35-43.		1
52	Precipitation Changes in India. , 2020, , 47-72.		40
53	Droughts and Floods. , 2020, , 117-141.		34
54	Timing of rainfall occurrence altered by urban sprawl. Urban Climate, 2020, 33, 100643.	5.7	30

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55	Evapotranspiration Climatology of Indiana Using In Situ and Remotely Sensed Products. Journal of Applied Meteorology and Climatology, 2020, 59, 2093-2111.	1.5	29
56	Resilience of Water Management Infrastructure. , 2020, , 1-20.		0
57	Design and Deployment of Photo2Building: A Cloud-based Procedural Modeling Tool as a Service. , 2020, , .		5
58	The response of ocean parameters to tropical cyclones in the Bay of Bengal. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 3320-3332.	2.7	18
59	Urban drought challenge to 2030 sustainable development goals. Science of the Total Environment, 2019, 693, 133536.	8.0	147
60	Urban Rainfall Modification: Observational Climatology Over Berlin, Germany. Journal of Geophysical Research D: Atmospheres, 2019, 124, 731-746.	3.3	39
61	Land Surface Processes. Springer Atmospheric Sciences, 2019, , 349-370.	0.3	9
62	Urban Expansion in Ethiopia from 1987 to 2017: Characteristics, Spatial Patterns, and Driving Forces. Sustainability, 2019, 11, 2973.	3.2	69
63	Impacts of Local Convective Processes on Rain on the Caribbean Island of Puerto Rico. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6009-6026.	3.3	6
64	Urban Impacts on Extreme Monsoon Rainfall and Flooding in Complex Terrain. Geophysical Research Letters, 2019, 46, 5918-5927.	4.0	61
65	Pathway using WUDAPT's Digital Synthetic City tool towards generating urban canopy parameters for multi-scale urban atmospheric modeling. Urban Climate, 2019, 28, 100459.	5.7	43
66	Meta-analysis of urbanization impact on rainfall modification. Scientific Reports, 2019, 9, 7301.	3.3	126
67	Impact of vortex size and Initialization on prediction of landfalling tropical cyclones over Bay of Bengal. Atmospheric Research, 2019, 224, 18-29.	4.1	14
68	On the processes influencing rapid intensity changes of tropical cyclones over the Bay of Bengal. Scientific Reports, 2019, 9, 3382.	3.3	25
69	Evaluation of Evapotranspiration over a Semiarid Region Using Multiresolution Data Sources. Journal of Hydrometeorology, 2019, 20, 947-964.	1.9	62
70	Observed Vertical Structure of Convection During Dry and Wet Summer Monsoon Epochs Over the Western Ghats. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1352-1369.	3.3	17
71	Evaluation of Hydroclimatic Variability and Prospective Irrigation Strategies in the U.S. Corn Belt. Water (Switzerland), 2019, 11, 2447.	2.7	8
72	Application of A Simple Landsat-MODIS Fusion Model to Estimate Evapotranspiration over A Heterogeneous Sparse Vegetation Region. Remote Sensing, 2019, 11, 741.	4.0	43

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73	Influence of Land Cover and Soil Moisture based Brown Ocean Effect on an Extreme Rainfall Event from a Louisiana Gulf Coast Tropical System. Scientific Reports, 2019, 9, 17136.	3.3	20
74	Observed and global climate model based changes in wind power potential over the Northern Hemisphere during 1979â€“2016. Energy, 2019, 167, 1224-1235.	8.8	64
75	Simulating rewetting events in intermittent rivers and ephemeral streams: A global analysis of leached nutrients and organic matter. Global Change Biology, 2019, 25, 1591-1611.	9.5	71
76	Urban Modification of Convection and Rainfall in Complex Terrain. Geophysical Research Letters, 2018, 45, 2507-2515.	4.0	52
77	WUDAPT: An Urban Weather, Climate, and Environmental Modeling Infrastructure for the Anthropocene. Bulletin of the American Meteorological Society, 2018, 99, 1907-1924.	3.3	254
78	The Impact of Land Cover and Land Use Change on the Indian Monsoon Region Hydroclimate. Springer Remote Sensing/photogrammetry, 2018, , 553-575.	0.4	19
79	Increased Spatial Variability and Intensification of Extreme Monsoon Rainfall due to Urbanization. Scientific Reports, 2018, 8, 3918.	3.3	109
80	Multi-ensemble regional simulation of Indian monsoon during contrasting rainfall years: role of convective schemes and nested domain. Climate Dynamics, 2018, 50, 4127-4147.	3.8	19
81	High-resolution gridded soil moisture and soil temperature datasets for the Indian monsoon region. Scientific Data, 2018, 5, 180264.	5.3	27
82	Assessment of the Weather Research and Forecasting (WRF) model for simulation of extreme rainfall events in the upper Ganga Basin. Hydrology and Earth System Sciences, 2018, 22, 1095-1117.	4.9	94
83	SURF: Understanding and Predicting Urban Convection and Haze. Bulletin of the American Meteorological Society, 2018, 99, 1391-1413.	3.3	44
84	The Purdue Agro-climatic (PAC) dataset for the U.S. Corn Belt: Development and initial results. Climate Risk Management, 2017, 15, 61-72.	3.2	7
85	Improved prediction of severe thunderstorms over the Indian Monsoon region using high-resolution soil moisture and temperature initialization. Scientific Reports, 2017, 7, 41377.	3.3	43
86	Modeling Urban Precipitation Modification by Spatially Heterogeneous Aerosols. Journal of Applied Meteorology and Climatology, 2017, 56, 2141-2153.	1.5	39
87	Review of Approaches and Recommendations for Improving Resilience of Water Management Infrastructure: The Case for Large Dams. Journal of Infrastructure Systems, 2017, 23, .	1.8	7
88	Fast Weather Simulation for Inverse Procedural Design of 3D Urban Models. ACM Transactions on Graphics, 2017, 36, 1-19.	7.2	20
89	Urbanization Impacts on the Summer Heavy Rainfall Climatology over the Eastern United States. Earth Interactions, 2017, 21, 1-17.	1.5	65
90	Cloudbursts in Indian Himalayas: A review. Earth-Science Reviews, 2017, 168, 1-23.	9.1	131

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91	Droughts in India from 1981 to 2013 and Implications to Wheat Production. Scientific Reports, 2017, 7, 44552.	3.3	80
92	Assessment of a Long-Term High-Resolution Hydroclimatic Dataset for the U.S. Midwest. Earth Interactions, 2017, 21, 1-31.	1.5	4
93	Multi-sensor integrated framework and index for agricultural drought monitoring. Remote Sensing of Environment, 2017, 188, 141-163.	11.0	116
94	Prediction of rapid intensification of tropical cyclone Phailin over the Bay of Bengal using the <scp>HWRF</scp> modelling system. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 678-690.	2.7	42
95	The Convection, Aerosol, and Synoptic-Effects in the Tropics (CAST) Experiment: Building an Understanding of Multiscale Impacts on Caribbean Weather via Field Campaigns. Bulletin of the American Meteorological Society, 2017, 98, 1593-1600.	3.3	8
96	Gauging the Severity of the 2012 Midwestern U.S. Drought for Agriculture. Remote Sensing, 2017, 9, 767.	4.0	8
97	Land-Air Interactions over Urban-Rural Transects Using Satellite Observations: Analysis over Delhi, India from 1991â€“2016. Remote Sensing, 2017, 9, 1283.	4.0	19
98	Quality of Crowdsourced Data on Urban Morphologyâ€”The Human Influence Experiment (HUMINEX). Urban Science, 2017, 1, 15.	2.3	67
99	Fast Weather Simulation for Inverse Procedural Design of 3D Urban Models. ACM Transactions on Graphics, 2017, 36, 1.	7.2	9
100	Contrasting impacts of urban forms on the future thermal environment: example of Beijing metropolitan area. Environmental Research Letters, 2016, 11, 034018.	5.2	77
101	Urban Sprawl Patterns and Processes in Delhi from 1977 to 2014 Based on Remote Sensing and Spatial Metrics Approaches. Earth Interactions, 2016, 20, 1-29.	1.5	38
102	Noahâ€MPâ€Crop: Introducing dynamic crop growth in the Noahâ€MP land surface model. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,953.	3.3	61
103	Global and Regional Evaluation of Energy for Water. Environmental Science & Technology, 2016, 50, 9736-9745.	10.0	78
104	Trends and variability of droughts over the Indian monsoon region. Weather and Climate Extremes, 2016, 12, 43-68.	4.1	194
105	Contribution of landfalling tropical system rainfall to the hydroclimate of the eastern U.S. Corn Belt 1981â€“2012. Weather and Climate Extremes, 2016, 13, 54-67.	4.1	5
106	The Role of Land Surface Processes on Tropical Cyclones: Introduction to Land Surface Models. , 2016, , 221-246.		5
107	The Role of Land Surface Processes on Extreme Weather Events: Land Data Assimilation System. , 2016, , 247-266.		3
108	Structure and evolution of flash flood producing storms in a small urban watershed. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3139-3152.	3.3	24

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109	Urbanization causes nonstationarity in Indian Summer Monsoon Rainfall extremes. Geophysical Research Letters, 2016, 43, 11,269.	4.0	39
110	Impact of Satellite Radiance Data on Simulations of Bay of Bengal Tropical Cyclones Using the WRF-3DVAR Modeling System. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2285-2303.	6.3	60
111	Improving High-Resolution Weather Forecasts Using the Weather Research and Forecasting (WRF) Model with an Updated Kainâ€“Fritsch Scheme. Monthly Weather Review, 2016, 144, 833-860.	1.4	147
112	Crop models capture the impacts of climate variability on corn yield. Geophysical Research Letters, 2015, 42, 3356-3363.	4.0	16
113	Numerical simulation of an intense precipitation event over Rudraprayag in the central Himalayas during 13â€“14 September 2012. Journal of Earth System Science, 2015, 124, 1545-1561.	1.3	30
114	Reintroducing radiometric surface temperature into the <scp>P</scp>enmanâ€<scp>M</scp>onteith formulation. Water Resources Research, 2015, 51, 6214-6243.	4.2	49
115	Improved Prediction of Bay of Bengal Tropical Cyclones through Assimilation of Doppler Weather Radar Observations. Monthly Weather Review, 2015, 143, 4533-4560.	1.4	66
116	Climate Variability and the U.S. Corn Belt: ENSO and AO Episode-Dependent Hydroclimatic Feedbacks to Corn Production at Regional and Local Scales*. Earth Interactions, 2015, 19, 1-32.	1.5	18
117	A Great Escape from the Bay of Bengal â€œSuper Sapphireâ€“Phailinâ€•Tropical Cyclone: A Case of Improved Weather Forecast and Societal Response for Disaster Mitigation. Earth Interactions, 2015, 19, 1-11.	1.5	48
118	Calibration and Validation of the Hybrid-Maize Crop Model for Regional Analysis and Application over the U.S. Corn Belt. Earth Interactions, 2015, 19, 1-16.	1.5	21
119	Evapotranspiration in Northern Eurasia: Impact of forcing uncertainties on terrestrial ecosystem model estimates. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2647-2660.	3.3	26
120	A need to revisit hydrologic responses to urbanization by incorporating the feedback on spatial rainfall patterns. Urban Climate, 2015, 12, 128-140.	5.7	34
121	Impacts of landâ€“atmosphere coupling on regional rainfall and convection. Climate Dynamics, 2015, 44, 2383-2409.	3.8	20
122	Agriculture intensifies soil moisture decline in Northern China. Scientific Reports, 2015, 5, 11261.	3.3	65
123	Western Disturbances: A review. Reviews of Geophysics, 2015, 53, 225-246.	23.0	307
124	Local-To-Regional Landscape Drivers of Extreme Weather and Climate: Implications for Water Infrastructure Resilience. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	22
125	Using a team survey to improve team communication for enhanced delivery of agro-climate decision support tools. Agricultural Systems, 2015, 138, 31-37.	6.1	11
126	What Do Experienced Water Managers Think of Water Resources of Our Nation and Its Management Infrastructure?. PLoS ONE, 2015, 10, e0142073.	2.5	7

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127	When the atmosphere warms it rains and ice melts: seventh grade studentsâ€™ conceptions of a climate system. Environmental Education Research, 2014, 20, 333-353.	2.9	25
128	FORAGES AND PASTURES SYMPOSIUM: Assessing drought vulnerability of agricultural production systems in context of the 2012 drought1,2. Journal of Animal Science, 2014, 92, 2811-2822.	0.5	10
129	Assessing Impacts of Integrating MODIS Vegetation Data in the Weather Research and Forecasting (WRF) Model Coupled to Two Different Canopy-Resistance Approaches. Journal of Applied Meteorology and Climatology, 2014, 53, 1362-1380.	1.5	53
130	Climate Forecasts for Corn Producer Decision Making. Earth Interactions, 2014, 18, 1-8.	1.5	30
131	A Surface Temperature Initiated Closure (STIC) for surface energy balance fluxes. Remote Sensing of Environment, 2014, 141, 243-261.	11.0	83
132	Impact of Doppler weather radar data on thunderstorm simulation during STORM pilot phaseâ€”2009. Natural Hazards, 2014, 74, 1403-1427.	3.4	29
133	Land cover changes and their biogeophysical effects on climate. International Journal of Climatology, 2014, 34, 929-953.	3.5	536
134	Toward a better integration of biological data from precipitation manipulation experiments into Earth system models. Reviews of Geophysics, 2014, 52, 412-434.	23.0	39
135	Land Surface Heterogeneity Signature in Tornado Climatology? An Illustrative Analysis over Indiana, 1950â€“2012*. Earth Interactions, 2014, 18, 1-32.	1.5	26
136	Agroclimatology. , 2014, , 911-924.		1
137	Climatology: Moist Enthalpy and Long-Term Anomaly Trends. , 2014, , 994-1000.		1
138	Temporal trajectories of wet deposition across hydro-climatic regimes: Role of urbanization and regulations at U.S. and East Asia sites. Atmospheric Environment, 2013, 70, 280-288.	4.1	4
139	Evaluation of Temperature and Precipitation Trends and Long-Term Persistence in CMIP5 Twentieth-Century Climate Simulations. Journal of Climate, 2013, 26, 4168-4185.	3.2	168
140	Land use/cover change impacts in CMIP5 climate simulations: A new methodology and 21st century challenges. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6337-6353.	3.3	72
141	Regional climate model application at subgrid scale on Indian winter monsoon over the western Himalayas. International Journal of Climatology, 2013, 33, 2185-2205.	3.5	75
142	Latent Heat Flux and Canopy Conductance Based on Penmanâ€“Monteith, Priestleyâ€“Taylor Equation, and Bouchetâ€™s Complementary Hypothesis. Journal of Hydrometeorology, 2013, 14, 419-442.	1.9	35
143	Real-Time Track Prediction of Tropical Cyclones over the North Indian Ocean Using the ARW Model. Journal of Applied Meteorology and Climatology, 2013, 52, 2476-2492.	1.5	92
144	Visualization-Based Decision Tool for Urban Meteorological Modeling. Environment and Planning B: Planning and Design, 2013, 40, 271-288.	1.7	10

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145	Impact of city size on precipitationâ€modifying potential. Geophysical Research Letters, 2013, 40, 5263-5267.	4.0	49
146	2012 Midwest Drought in the United States. Journal of Hydrologic Engineering - ASCE, 2013, 18, 737-745.	1.9	119
147	Enhancement of inland penetration of monsoon depressions in the Bay of Bengal due to prestorm ground wetness. Water Resources Research, 2013, 49, 3589-3600.	4.2	16
148	A Method for Estimating Planetary Boundary Layer Heights and Its Application over the ARM Southern Great Plains Site. Journal of Atmospheric and Oceanic Technology, 2012, 29, 316-322.	1.3	35
149	Tropical cyclone intensification trends during satellite era (1986â€“2010). Geophysical Research Letters, 2012, 39, .	4.0	27
150	Dealing With Complexity and Extreme Events Using a Bottom-Up, Resource-Based Vulnerability Perspective. Geophysical Monograph Series, 2012, , 345-359.	0.1	50
151	Sensitivity of inland decay of North Atlantic tropical cyclones to soil parameters. Natural Hazards, 2012, 63, 1527-1542.	3.4	26
152	An HWRF-based ensemble assessment of the land surface feedback on the post-landfall intensification of Tropical Storm Fay (2008). Natural Hazards, 2012, 63, 1543-1571.	3.4	19
153	The role of anomalous soil moisture on the inland reintensification of Tropical Storm Erin (2007). Natural Hazards, 2012, 63, 1573-1600.	3.4	26
154	Recent developments in tropical cyclone analysis using observations and high resolution models. Natural Hazards, 2012, 63, 1281-1283.	3.4	6
155	Modeling of Forecast Sensitivity on the March of Monsoon Isochrones from Kerala to New Delhi: The First 25 Days. Journals of the Atmospheric Sciences, 2012, 69, 2465-2487.	1.7	29
156	Conceptualizing climate change in the context of a climate system: implications for climate and environmental education. Environmental Education Research, 2012, 18, 323-352.	2.9	94
157	Climate Feedbackâ€“Based Provisions for Dam Design, Operations, and Water Management in the 21st Century. Journal of Hydrologic Engineering - ASCE, 2012, 17, 837-850.	1.9	53
158	Noah-GEM and Land Data Assimilation System (LDAS) based downscaling of global reanalysis surface fields: Evaluations using observations from a CarboEurope agricultural site. Computers and Electronics in Agriculture, 2012, 86, 55-74.	7.7	11
159	Evaluation and improvements of two community models in simulating dry deposition velocities for peroxyacetyl nitrate (PAN) over a coniferous forest. Journal of Geophysical Research, 2012, 117, .	3.3	27
160	Seventh grade students' mental models of the greenhouse effect. Environmental Education Research, 2011, 17, 1-17.	2.9	70
161	The influence of large dams on surrounding climate and precipitation patterns. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	133
162	The community Noah land surface model with multiparameterization options (Noah-MP): 1. Model description and evaluation with local-scale measurements. Journal of Geophysical Research, 2011, 116, .	3.3	1,626

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163	The community Noah land surface model with multiparameterization options (Noah-MP): 2. Evaluation over global river basins. Journal of Geophysical Research, 2011, 116, .	3.3	475
164	Analysis of the impacts of station exposure on the U.S. Historical Climatology Network temperatures and temperature trends. Journal of Geophysical Research, 2011, 116, .	3.3	96
165	Making Sense of the Water Resources That Will Be Available for Future use. Eos, 2011, 92, 144-145.	0.1	6
166	Evaluating the calculated dry deposition velocities of reactive nitrogen oxides and ozone from two community models over a temperate deciduous forest. Atmospheric Environment, 2011, 45, 2663-2674.	4.1	66
167	Evaluation of a Photosynthesis-Based Canopy Resistance Formulation in the Noah Land-Surface Model. Boundary-Layer Meteorology, 2011, 138, 263-284.	2.3	36
168	Studentsâ€™ conceptions about the greenhouse effect, global warming, and climate change. Climatic Change, 2011, 104, 481-507.	3.6	103
169	Simulations of Cyclone Sidr in the Bay of Bengal with a high-resolution model: sensitivity to large-scale boundary forcing. Meteorology and Atmospheric Physics, 2011, 114, 123-137.	2.0	33
170	Land use/land cover changes and climate: modeling analysis and observational evidence. Wiley Interdisciplinary Reviews: Climate Change, 2011, 2, 828-850.	8.1	585
171	Distribution of Landscape Types in the Global Historical Climatology Network. Earth Interactions, 2011, 15, 1-24.	1.5	13
172	A Hydroclimatological Assessment of Regional Drought Vulnerability: A Case Study of Indiana Droughts. Earth Interactions, 2011, 15, 1-65.	1.5	21
173	Urban Modification of Thunderstorms: An Observational Storm Climatology and Model Case Study for the Indianapolis Urban Region. Journal of Applied Meteorology and Climatology, 2011, 50, 1129-1144.	1.5	233
174	Evaluating Error Propagation in Coupled Landâ€“Atmosphere Models. Earth Interactions, 2011, 15, 1-25.	1.5	14
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